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**Standard 11**

**COMPUTER SCIENCE**

Time: 1.30 Hrs.

Marks: 35

**I. Choose the correct answer:****10×1=10**

- 1) How many times the following loop will execute?  
for (int i = 1; i < 10; i++)  
a) 0                                      b) 10                                      c) 9                                      d) 11
- 2) Identify the odd one from the keywords of jump statements.  
a) break                                      b) switch                                      c) goto                                      d) continue
- 3) Which function is used to check whether given character is an alphabet or not?  
a) islower()                                      b) isalpha()                                      c) isdigit()                                      d) isalnum()
- 4) Which of the following is the scope operator?  
a) >                                      b) :                                      c) &                                      d) ::
- 5) By default, a string ends with which character?  
a) \0                                      b) \t                                      c) \n                                      d) \b
- 6) cin >> n[3]: To which element does this statement accept the value?  
a) 2                                      b) 3                                      c) 4                                      d) 5
- 7) Which of the following is a user defined data type?  
a) class                                      b) array                                      c) object                                      d) float
- 8) Which of the following supports the transitive nature of data?  
a) Inheritance                                      b) Encapsulation                                      c) Polymorphism                                      d) Abstraction
- 9) The variables declared inside the class are known as  
a) data                                      b) inline                                      c) method                                      d) attributes
- 10) Which of the following constructor is executed for the following prototype?  
add display (add & a);  
a) copy constructor                                      b) default constructor  
c) parameterized constructor                                      d) non-parameterized constructor

**II. Answer ANY THREE Questions. Q.No. 15 is compulsory:****3×2=6**

- 11) What is control statement?
- 12) What is parameter and lists its types?
- 13) Define an Array? What are the types.
- 14) What is Inheritance?
- 15) Write a note about functions of constructor.

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**III. Answer ANY THREE Questions. Q.No. 20 is compulsory:****3×3=9**

- 16) What is the difference between Break and Continue?
- 17) What is the uses of following functions?  
(i) isalpha()                                      (ii) toupper()                                      (iii) strcmp()
- 18) Write down the syntax of creating a structure.
- 19) Write any three features of object oriented programming.
- 20) Write the general form of a class definition.

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**IV. Answer all the questions:****2×5=10**

- 21) a) Explain with example of for loop.

**(OR)**

- b) Explain call by value method with suitable example.

- 22) a) What are the advantages and disadvantages of oops?

**(OR)**

- b) Write the characteristics of constructor.